	Search Terms
1	CONSUMED
2	CONSUMING
3	CONTROL
4	CONTROLLER
5	CONTROLLERS
6	CONTROLLING
7	CONTROLLINGS
8	CONTROLS
9	DEMAND
10	DEMANDS
11	ELECTRICAL
12	ELECTRICALS
13	ENERGIES
14	ENERGY
15	ENERGYS
16	GAS
17	GASES
18	INTERNET
19	INTERRUPT
20	INTERRUPTER
21	INTERRUPTERS
22	INTERRUPTION
23	INTERRUPTIONS
24	INTERRUPTS
25	LOAD
26	LOADS
27	MESSAGE
28	MESSAGES
29	NETWORK
30	NETWORKS
31	POWER
32	POWERS
33	RANGE
34	RANGES
35	USAGE
36	USAGES
37	UTILITIES
38	UTILITY

	Total	USPAT	US-PGPUB	EPO	JPO	Derwent	IBM TDB	USOCR
1	156061							
2	242951							
3	4845783							
4	1037983							
5	110404							
6	1661151							
7	87							
8	1092173							
9	258264							
10	113414							
11	1473518							
12	191							
13	39098							
14	1172789							
15	22							
16	2025134							
17	415671							
18	181495							
19	161429							
20	16724							
21	3993							
22	164636							
23	26752							
24	68581							
25	1324986							
26	298654							
27	254249							
28	130974							
29	691779							
30	190387							
31	2614860							
32	80481							
33	2340985							
34	406475							
35	261856							
36	15772							
37	27145							
38	298683							

	Search Terms
39	WATER
40	WATERS
41	INTERNETS
42	((((((INTERRUPTER OR INTERRUPTION OR INTERRUPT) SAME (UTILITY OR ENERGY OR ELECTRICAL OR POWER OR GAS OR WATER)) AND ((INTERRUPTER OR INTERRUPTION OR INTERRUPT) SAME (CONTROLLING OR CONTROLLER OR CONTROL))) AND (MESSAGE SAME RANGE)) AND (INTERNET OR NETWORK)) AND (((CONSUMED OR CONSUMING OR USAGE OR DEMAND OR LOAD) SAME RANGE))

10/27/2003, EAST Version: 1.4.1

	Total	USPAT	US-PGPUB	EPO	JPO	Derwent	IBM TDB	USOCR
39	2931090							
40	59613							
41	698							
42	148	129	19	0	0	0	0	

	U	1	Document ID	Issue Date	Pages	Title	Current OR
1	☐	☐	US 20030197625 A1	20031023	32	INFRARED CONTROLLERS INTEGRATED WITH INCANDESCENT AND HALOGEN LAMP POWER DRIVERS	340/825.69
2	⊠	☐	US 20030156603 A1	20030821	149	Apparatus and method for trellis encoding data for transmission in digital data transmission systems	370/485
3	⊠		US 20030153338 A1	20030814	36	Autoband	455/517
4	⊠		US 20030133443 A1	20030717	47	Passive route control of data networks	370/353
5	⊠		US 20030088671 A1	20030508	38	System and method to provide routing control of information over data networks	709/225
6	⊠		US 20030086422 A1	20030508	55	System and method to provide routing control of information over networks	370/389
7	⊠		US 20030035258 A1	20030220	9	High voltage bias feedback for diagnostic purposes	361/93.1
8	⊠		US 20030009401 A1	20030109	47	Computerized utility cost estimation method and system	705/35
9	⊠		US 20020198629 A1	20021226	39	Computerized utility cost estimation method and system	700/286
10	⊠		US 20020188562 A1	20021212	136	Billing system, and device constituting same	705/40
11	⊠		US 20020158689 A1	20021031	71	CONTROLLER-BASED RADIO FREQUENCY AMPLIFIER MODULE AND METHOD	330/129
12	⊠		US 20020101365 A1	20020801	62	Vehicle tracker providing vehicle alarm alert features and related methods	340/988
13	⊠		US 20020023329 A1	20020228	30	Semiconductor processing techniques	29/25.01
14	⊠		US 20020015423 A1	20020207	148	Apparatus and method for trellis encoding data for transmission in digital data transmission systems	370/485
15	⊠		US 20010046266 A1	20011129	149	Apparatus and method for scdma digital data transmission using orthogonal codes and head end modem with no tracking loops	375/259
16	⊠		US 20010045242 A1	20011129	32	Beverage container filling machine, and method for filling containers with a liquid filling material in a beverage container filling machine	141/144
17	⊠		US 20010024474 A1	20010927	149	Apparatus and method for trellis encoding data for transmission in digital data transmission systems	375/259
18	⊠		US 20010010032 A1	20010726	64	Energy management and building automation system	702/62
19	⊠		US 20010001616 A1	20010524	149	Apparatus and method for SCDMA digital data transmission using orthogonal codes and a head end modem with no tracking loops	375/259

#	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
1			SZUBA, STEFAN F.	☒	☐	☐	☐	☐	☐	☐	US 20030197625	☐
2			Rakib, Selim Shlomo et al.	☐	☐	☐	☐	☐	☐	☐	US 20030156603	☐
3	455/509		Herz, Frederick S. M. et al.	☐	☐	☐	☐	☐	☐	☐	US 20030153338	☐
4	370/395.52		Klinker, James Eric et al.	☐	☐	☐	☐	☐	☐	☐	US 20030133443	☐
5			Klinker, Eric et al.	☐	☐	☐	☐	☐	☐	☐	US 20030088671	☐
6	370/235; 370/392		Klinker, Eric et al.	☐	☐	☐	☐	☐	☐	☐	US 20030086422	☐
7			Hasenauer, Charles H. et al.	☐	☐	☐	☐	☐	☐	☐	US 20030035258	☐
8			Ellis, David D.	☐	☐	☐	☐	☐	☐	☐	US 20030009401	☐
9	700/291; 705/412		Ellis, David D.	☐	☐	☐	☐	☐	☐	☐	US 20020198629	☐
10			Igarashi, Yoichiro et al.	☐	☐	☐	☐	☐	☐	☐	US 20020188562	☐
11			Harris, Clifford et al.	☐	☐	☐	☐	☐	☐	☐	US 20020158689	☐
12	340/539.1		Flick, Kenneth E.	☐	☐	☐	☐	☐	☐	☐	US 20020101365	☐
13	438/14; 716/2		Nulman, Jaim	☐	☐	☐	☐	☐	☐	☐	US 20020023329	☐
14	370/487; 370/503; 370/516		Rakib, Selim Shlomo et al.	☐	☐	☐	☐	☐	☐	☐	US 20020015423	☐
15	375/354; 375/371		Rakib, Selim Shlomo et al.	☐	☐	☐	☐	☐	☐	☐	US 20010046266	☐
16			Clusserath, Ludwig et al.	☐	☐	☐	☐	☐	☐	☐	US 20010045242	☐
17	375/354		Rakib, Selim Shlomo et al.	☐	☐	☐	☐	☐	☐	☐	US 20010024474	☐
18	702/61		Ehlers, Gregory A. et al.	☐	☐	☐	☐	☐	☐	☐	US 20010010032	☐
19	375/344		Rakib, Selim Shlomo et al.	☐	☐	☐	☐	☐	☐	☐	US 20010001616	☐

	U	1	Document ID	Issue Date	Pages	Title	Current OR
20	☒	☐	US 6611755 B1	20030826	103	Vehicle tracking, communication and fleet management system	701/213
21	☒	☐	US 6583509 B2	20030624	31	Semiconductor processing techniques	257/773
22	☒	☐	US 6571136 B1	20030527	14	Virtual network adapter	700/48
23	☒	☐	US 6546016 B1	20030408	46	Coaxial cable/twisted pair cable telecommunications network architecture	370/401
24	☒	☐	US 6507243 B2	20030114	69	Controller-based radio frequency amplifier module and method	330/129
25	☒	☐	US 6502044 B1	20021231	32	Self-diagnostic circuitry for emergency lighting fixtures	702/63
26	☒	☐	US 6474368 B2	20021105	31	Beverage container filling machine, and method for filling containers with a liquid filling material in a beverage container filling machine	141/6
27	☒	☐	US 6456894 B1	20020924	31	Semiconductor processing techniques	700/121
28	☒	☐	US 6427140 B1	20020730		Systems and methods for secure transaction management and electronic rights protection	705/80
29	☒	☐	US 6420935 B1	20020716		Controller-based radio frequency amplifier module and method	330/295

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
20	340/438; 340/439; 455/12.1; 701/27; 701/35		Coffee, John R. et al.	☐	☐	☐	☐	☐	☐	☐	US 6611755	☐
21	438/14		Nulman, Jaim	☐	☐	☐	☐	☐	☐	☐	US 6583509	☐
22	370/403; 370/410; 370/455; 370/465; 700/19; 700/20; 700/47; 700/49; 701/102; 701/115; 701/36; 701/48; 709/224; 709/228; 709/235		Staiger, Dieter E.	☐	☐	☐	☐	☐	☐	☐	US 6571136	☐
23	370/465		Gerszberg, Irwin et al.	☐	☐	☐	☐	☐	☐	☐	US 6546016	☐
24	455/92		Harris, Clifford et al.	☐	☐	☐	☐	☐	☐	☐	US 6507243	☐
25	363/101		Lane, John Evan et al.	☐	☐	☐	☐	☐	☐	☐	US 6502044	☐
26	141/129; 141/144; 141/198; 141/4; 141/5; 141/94; 141/95		Clusserath, Ludwig et al.	☐	☐	☐	☐	☐	☐	☐	US 6474368	☐
27	438/5; 700/100		Nulman, Jaim	☐	☐	☐	☐	☐	☐	☐	US 6455894	☐
28	705/53; 713/193		Ginter, Karl L. et al.	☐	☐	☐	☐	☐	☐	☐		☐
29	330/298		Harris, Clifford et al.	☐	☐	☐	☐	☐	☐	☐		☐

	U	1	Document ID	Issue Date	Pages	Title	Current OR
30	☒	☐	US 6414955 B1	20020702		Distributed topology learning method and apparatus for wireless networks	370/390
31	☒	☐	US 6408220 B1	20020618		Semiconductor processing techniques	700/121
32	☒	☐	US 6388564 B1	20020514		Power distribution grid communication system	340/310.01
33	☒	☐	US 6363488 B1	20020326		Systems and methods for secure transaction management and electronic rights protection	713/201
34	☒	☐	US 6356555 B1	20020312		Apparatus and method for digital data transmission using orthogonal codes	370/441
35	☒	☐	US 6340868 B1	20020122		Illumination components	315/185S
36	☒	☐	US 6307868 B1	20011023		Apparatus and method for SCDMA digital data transmission using orthogonal codes and a head end modem with no tracking loops	370/485
37	☒	☐	US 6303395 B1	20011016		Semiconductor processing techniques	438/14
38	☒	☐	US 6289267 B1	20010911		Graphical energy information display system having a menu for user selection of energy related information for an AC load control device	700/286
39	☒	☐	US 6286764 B1	20010911		Fluid and gas supply system	236/12.12
40	☒	☐	US 6272190 B1	20010807		System for wireless transmission and receiving of information and method of operation thereof	375/347
41	☒	☐	US 6208247 B1	20010327		Wireless integrated sensor network using multiple relayed communications	340/539.19
42	☒	☐	US 6170010 B1	20010102		Computer operation management system	709/223

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
30	370/400; 375/219; 375/221		Clare, Loren P. et al.	☐	☐	☐	☐	☐	☐	☐		☐
31	438/450; 700/33; 700/51; 700/79; 700/89; 702/84		Nulman, Jaim	☐	☐	☐	☐	☐	☐	☐		☐
32	340/3.1; 340/506; 340/825.36		Piercy, Raymond et al.	☐	☐	☐	☐	☐	☐	☐		☐
33	705/14; 705/53		Ginter, Karl L. et al.	☐	☐	☐	☐	☐	☐	☐		☐
34	370/442; 370/478; 370/479; 370/480; 370/503		Rakib, Selim Shlomo et al.	☐	☐	☐	☐	☐	☐	☐		☐
35	315/362; 362/234		Lys, Ihor et al.	☐	☐	☐	☐	☐	☐	☐		☐
36	370/516; 375/325; 375/326		Rakib, Selim Shlomo et al.	☐	☐	☐	☐	☐	☐	☐		☐
37			Nulman, Jaim	☐	☐	☐	☐	☐	☐	☐		☐
38	700/291; 700/297		Alexander, James O. et al.	☐	☐	☐	☐	☐	☐	☐		☐
39	236/51; 4/676		Garvey, Edward C. et al.	☐	☐	☐	☐	☐	☐	☐		☐
40			Campana, Jr., Thomas J.	☐	☐	☐	☐	☐	☐	☐		☐
41	340/511; 340/531; 340/825.5; 340/825.69; 340/825.72; 340/854.6; 340/870.16; 340/870.21		Agre, Jonathan R. et al.	☐	☐	☐	☐	☐	☐	☐		☐
42	709/224		Hirata, Toshiaki et al.	☐	☐	☐	☐	☐	☐	☐		☐

	U	1	Document ID	Issue Date	Pages	Title	Current OR
43	☒	☐	US 6167766 B1	20010102		Programmable atmospheric sampling systems and methods	73/863.01
44	☒	☐	US 6157292 A	20001205		Power distribution grid communication system	340/310.01
45	☒	☐	US 6115831 A	20000905		Integrated circuit for coupling a microcontrolled control apparatus to a two-wire bus	714/43
46	☒	☐	US 6078222 A	20000620		Controller-based radio frequency amplifier module and method	330/295
47	☒	☐	US 6055418 A	20000425		Computer program product configured to control modular transmission system components	455/91
48	☒	☐	US 6038516 A	20000314		Method for graphically displaying a menu for selection and viewing of the load related parameters of a load connected to an AC load control device	702/67
49	☒	☐	US 6035039 A	20000307		Fraud detection and user validation system for mobile earth terminal communication device	380/249
50	☒	☐	US 6023612 A	20000208		Modular transmission system and method	455/127.1
51	☒	☐	US 5991308 A	19991123		Lower overhead method for data transmission using ATM and SCDMA over hybrid fiber coax cable plant	370/395.53
52	☒	☐	US 5970997 A	19991026		Smart actuator control	137/1
53	☒	☐	US 5970226 A	19991019		Method of non-intrusive testing for a process control interface system having triply redundant remote field units	714/25
54	☒	☐	US 5930729 A	19990727		Range extension accessory apparatus for cellular mobile telephones	455/571
55	☒	☐	US 5892893 A	19990406		Device for the bus-networked operation of an electronic unit with microcontroller, and its use	714/3
56	☒	☐	US 5862315 A	19990119		Process control interface system having triply redundant remote field units	714/11
57	☒	☐	US 5801940 A	19980901		Fault-tolerant HVAC system	700/9

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
43			Dunn, David L. et al.	☐	☐	☐	☐	☐	☐	☐		☐
44	340/2.1; 340/310.02; 340/310.03; 340/310.07		Piercy, Raymond et al.	☐	☐	☐	☐	☐	☐	☐		☐
45	714/56		Hanf, Peter et al.	☐	☐	☐	☐	☐	☐	☐		☐
46	330/285		Harris, Clifford et al.	☐	☐	☐	☐	☐	☐	☐		☐
47	330/124R; 330/295; 455/115.1; 455/127.2; 455/67.11		Harris, Clifford et al.	☐	☐	☐	☐	☐	☐	☐		☐
48	345/735; 345/784; 345/810		Alexander, James O. et al.	☐	☐	☐	☐	☐	☐	☐		☐
49	340/5.74; 380/247; 455/410; 455/411		Tisdale, William R. et al.	☐	☐	☐	☐	☐	☐	☐		☐
50	330/295; 455/91		Harris, Clifford et al.	☐	☐	☐	☐	☐	☐	☐		☐
51	370/342; 370/395.52; 370/395.65; 370/474		Fuhrmann, Amir Michael et al.	☐	☐	☐	☐	☐	☐	☐		☐
52	251/129.11		Hudson, Hugh F. et al.	☐	☐	☐	☐	☐	☐	☐		☐
53	714/37; 714/712		Hoy, Robert S. et al.	☐	☐	☐	☐	☐	☐	☐		☐
54	455/11.1; 455/20		Khamis, Elias G. et al.	☐	☐	☐	☐	☐	☐	☐		☐
55	714/14; 714/22; 714/43; 714/9		Hanf, Peter et al.	☐	☐	☐	☐	☐	☐	☐		☐
56	700/4; 700/82		Glaser, Robert S. et al.	☐	☐	☐	☐	☐	☐	☐		☐
57	700/276		Russ, Robert M. et al.	☐	☐	☐	☐	☐	☐	☐		☐

	U	1	Document ID	Issue Date	Pages	Title	Current OR
58	☒	☐	US 5790952 A	19980804		Beacon system using cellular digital packet data (CDPD) communication for roaming cellular stations	455/432.1
59	☒	☐	US 5748742 A	19980505		Fraud detection and user validation system for mobile earth terminal communication device	380/249
60	☒	☐	US 5745532 A	19980428		System for wireless transmission and receiving of information and method of operation thereof	375/347
61	☒	☐	US 5717725 A	19980210		System for wireless transmission and receiving of information through a computer bus interface and method of operation	375/347
62	☒	☐	US 5710798 A	19980120		System for wireless transmission and receiving of information and method of operation thereof	375/347
63	☒	☐	US 5709607 A	19980120		Automatic bowling center system	473/58
64	☒	☐	US 5708716 A	19980113		Fraud detection and user validation system for mobile earth terminal communication device	380/247
65	☒	☐	US 5696695 A	19971209		System for rate-related control of electrical loads	700/286
66	☒	☐	US 5684710 A	19971104		System for measuring electrical power interruptions	700/293
67	☒	☐	US 5682550 A	19971028		System for restricting user access to default work area settings upon restoration from nonvolatile memory where the settings are independent of the restored state information	710/10
68	☒	☐	US 5638295 A	19970610		Transfer switch system with subnetwork	700/297
69	☒	☐	US 5628693 A	19970513		Automatic bowling center system	473/86

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
58	370/349; 455/419; 455/466		Seazholtz, John W. et al.	☐	☐	☐	☐	☐	☐	☐		☐
59	340/5.61; 380/243; 380/248; 455/410		Tisdale, William R. et al.	☐	☐	☐	☐	☐	☐	☐		☐
60	455/504		Campana, Jr., Thomas J.	☐	☐	☐	☐	☐	☐	☐		☐
61	455/504; 714/776		Campana, Jr., Thomas J.	☐	☐	☐	☐	☐	☐	☐		☐
62	370/506		Campana, Jr., Thomas J.	☐	☐	☐	☐	☐	☐	☐		☐
63	473/55; 473/70		Mowers, David L. et al.	☐	☐	☐	☐	☐	☐	☐		☐
64	340/5.61; 340/5.8; 380/270; 713/171		Tisdale, William R. et al.	☐	☐	☐	☐	☐	☐	☐		☐
65	307/115; 307/126; 307/38		Ehlers, Gregory A. et al.	☐	☐	☐	☐	☐	☐	☐		☐
66	307/115; 307/126; 307/38; 700/10		Ehlers, Gregory A. et al.	☐	☐	☐	☐	☐	☐	☐		☐
67	713/300; 713/321; 714/24		Brown, Kurt Randall et al.	☐	☐	☐	☐	☐	☐	☐		☐
68	187/248; 187/290; 307/18; 307/19; 307/23; 307/64		Lagree, James L. et al.	☐	☐	☐	☐	☐	☐	☐		☐
69	340/323B; 473/57; 473/70; 473/73		Mowers, David L. et al.	☐	☐	☐	☐	☐	☐	☐		☐

	U	1	Document ID	Issue Date	Pages	Title	Current OR
70	☒	☐	US 5628692 A	19970513		Automatic bowling center system	473/73
71	☒	☐	US 5626523 A	19970506		Automatic bowling center system	473/58
72	☒	☐	US 5572438 A	19961105		Engery management and building automation system	700/295
73	☒	☐	US 5551066 A	19960827		Network link controller for dynamic designation of master nodes	455/69
74	☒	☐	US 5530701 A	19960625		Network link controller	370/410
75	☒	☐	US 5524281 A	19960604		Apparatus and method for measuring the phase and magnitude of microwave signals	455/67.15
76	☒	☐	US 5450318 A	19950912		Automatic bowling center system	700/92
77	☒	☐	US 5446894 A	19950829		Method for varying multi-tasking time slice to maintain system frame operating time close to desired time upon video frame refresh time	709/107
78	☒	☐	US 5428769 A	19950627		Process control interface system having triply redundant remote field units	700/4
79	☒	☐	US 5422934 A	19950606		Cordless range extension accessory apparatus for radio telephones	455/571
80	☒	☐	US 5352866 A	19941004		Fryer temperature control system	219/497
81	☒	☐	US 5325299 A	19940628		System for classifying lightning strikes to enhance location estimation thereof	702/4
82	☒	☐	US 5319553 A	19940607		Lightning strike detection and mapping system with auto control of mapping display	702/4
83	☒	☐	US 5305210 A	19940419		Sampled data lightning strike detection and mapping system capable of early detection of an invalid strike from sampled data and quick resumption of monitoring an incoming signal	702/4
84	☒	☐	US 5303152 A	19940412		Lightning strike detection system capable of quickly determining an invalid correlation of strike signaling	702/4

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
70	340/323B; 473/70		Mowers, David L. et al.	☐	☐	☐	☐	☐	☐	☐		☐
71	340/323B; 473/70		Mowers, David L. et al.	☐	☐	☐	☐	☐	☐	☐		☐
72	307/37		Ehlers, Gregory A. et al.	☐	☐	☐	☐	☐	☐	☐		☐
73	370/400; 455/517; 455/522		Stillman, Robert A. et al.	☐	☐	☐	☐	☐	☐	☐		☐
74	370/449; 455/150.1; 455/160.1; 455/62; 455/67.14		Stillman, Robert A. et al.	☐	☐	☐	☐	☐	☐	☐		☐
75	324/601		Bradley, Donald A. et al.	☐	☐	☐	☐	☐	☐	☐		☐
76	473/65; 473/70		Mowers, David L. et al.	☐	☐	☐	☐	☐	☐	☐		☐
77			DeMar, Lawrence E. et al.	☐	☐	☐	☐	☐	☐	☐		☐
78	710/240; 714/1; 714/11		Glaser, Robert S. et al.	☐	☐	☐	☐	☐	☐	☐		☐
79	455/11.1; 455/20		Massa, Massimo	☐	☐	☐	☐	☐	☐	☐		☐
80	219/442; 219/492; 99/330; 99/403		Cartwright, Richard W. et al.	☐	☐	☐	☐	☐	☐	☐		☐
81	342/460		Moses, Randolph L. et al.	☐	☐	☐	☐	☐	☐	☐		☐
82			Gregg, James M. et al.	☐	☐	☐	☐	☐	☐	☐		☐
83	342/460		Kuzma, Joseph G. et al.	☐	☐	☐	☐	☐	☐	☐		☐
84	342/460		Moses, Randolph L. et al.	☐	☐	☐	☐	☐	☐	☐		☐

U	1	Document ID	Issue Date	Pages	Title	Current OR
☒	☐	US 5299127 A	19940329		Lightning strike detection and mapping system capable of monitoring its power source and of displaying a representation thereof on the mapping display	702/4
☒	☐	US 5295072 A	19940315		Sampled data lightning strike detection and mapping system capable of recovering a pre threshold sample history for detection and mapping processing	702/4
☒	☐	US 5295071 A	19940315		Sampled data lightning strike detection and mapping system capable of generating frequency spectrum of input signal waveforms and displaying such on the mapping display	702/4
☒	☐	US 5276899 A	19940104		Multi processor sorting network for sorting while transmitting concurrently presented messages by message content to deliver a highest priority message	709/240
☒	☐	US 5255185 A	19931019		Bowling center video display system	340/323R
☒	☐	US 5175766 A	19921229		Signalling scheme for controlling data encryption device in an electronic fund transaction processing system	705/71
☒	☐	US 5163759 A	19921117		Signmaking machine using character forming tool for overlapping impacts and web scoring	400/29
☒	☐	US 5123047 A	19920616		Method of updating encryption device monitor code in a multichannel data encryption system	713/191
☒	☐	US 5118105 A	19920602		Bowling statistics display system	473/58
☒	☐	US 5101354 A	19920331		Multi-lane bowling system with remote operator control	700/92
☒	☐	US 5062055 A	19911029		Data processor performance advisor	702/182
☒	☐	US 5006978 A	19910409		Relational database system having a network for transmitting colliding packets and a plurality of processors each storing a disjoint portion of database	709/102

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
85	342/460		Stevens, Jr., Billie M. et al.	☐	☐	☐	☐	☐	☐	☐		☐
86	342/460		Stevens, Jr., Billie M. et al.	☐	☐	☐	☐	☐	☐	☐		☐
87	342/460		Kuzma, Joseph G. et al.	☐	☐	☐	☐	☐	☐	☐		☐
88	340/825.02; 340/825.5; 370/390; 370/411; 370/447; 709/103; 709/252; 710/113		Neches, Philip M.	☐	☐	☐	☐	☐	☐	☐		☐
89	700/92		Mowers, David L. et al.	☐	☐	☐	☐	☐	☐	☐		☐
90	705/64		Hamilton, Scott B.	☐	☐	☐	☐	☐	☐	☐		☐
91	346/139D; 346/139R		Jambor, George F. et al.	☐	☐	☐	☐	☐	☐	☐		☐
92			Rosenow, Michael J.	☐	☐	☐	☐	☐	☐	☐		☐
93	340/323B; 473/54; 700/91		Brim, Ted E. et al.	☐	☐	☐	☐	☐	☐	☐		☐
94	340/323B; 473/101; 473/65; 473/73		Mowers, David L. et al.	☐	☐	☐	☐	☐	☐	☐		☐
95	706/916		Chinnaswamy, Ackanaickenpalayam V. et al.	☐	☐	☐	☐	☐	☐	☐		☐
96	707/104.1; 707/9; 709/313		Neches, Philip M.	☐	☐	☐	☐	☐	☐	☐		☐

	U	1	Document ID	Issue Date	Pages	Title	Current OR
97	☒	☐	US 4977529 A	19901211		Training simulator for a nuclear power plant	703/18
98	☒	☐	US 4956772 A	19900911		Methods of selecting simultaneously transmitted messages in a multiprocessor system	709/313
99	☒	☐	US 4945471 A	19900731		Message transmission system for selectively transmitting one of two colliding messages based on contents thereof	709/252
100	☒	☐	US 4916617 A	19900410		Controller for well installations	702/13
101	☒	☐	US 4866761 A	19890912		Automatic meter reading system	379/106.04
102	☒	☐	US 4849879 A	19890718		Data processor performance advisor	706/45
103	☒	☐	US 4848381 A	19890718		Clean in place system	134/57R
104	☒	☐	US 4843633 A	19890627		Interface method and apparatus for a cellular system site controller	455/422.1
105	☒	☐	US 4835674 A	19890530		Computer network system for multiple processing elements	709/214
106	☒	☐	US 4831620 A	19890516		Controller for controlling multiple LAN types	370/401
107	☒	☐	US 4831518 A	19890516		Multiprocessor interrupt rerouting mechanism	714/4
108	☒	☐	US 4829445 A	19890509		Distributed routing unit for fully-automated flexible manufacturing system	700/230

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
97	376/245; 376/463; 703/3		Gregg, Gerald L. et al.	☐	☐	☐	☐	☐	☐	☐		☐
98	340/825.02; 370/408; 370/411; 370/462; 709/317		Neches, Philip M.	☐	☐	☐	☐	☐	☐	☐		☐
99	340/825.02; 340/825.5; 370/408; 709/207; 709/236; 709/243		Neches, Philip M.	☐	☐	☐	☐	☐	☐	☐		☐
100	137/552.7; 137/557; 137/624.2; 166/53; 166/64		Norwood, William L.	☐	☐	☐	☐	☐	☐	☐		☐
101			Thornborough, Raymond J. et al.	☐	☐	☐	☐	☐	☐	☐		☐
102	706/916		Chinnaswamy, Ackanaickenpalayam V. et al.	☐	☐	☐	☐	☐	☐	☐		☐
103	134/100.1; 134/169R; 134/95.1; 134/98.1; 137/240; 141/90; 222/148		Livingston, James W. et al.	☐	☐	☐	☐	☐	☐	☐		☐
104	455/560		Menich, Barry J. et al.	☐	☐	☐	☐	☐	☐	☐		☐
105	709/237; 709/249		Collins, Richard M. et al.	☐	☐	☐	☐	☐	☐	☐		☐
106			Conway, John W. et al.	☐	☐	☐	☐	☐	☐	☐		☐
107	340/2.26; 370/216; 709/310		Yu, Kin C. et al.	☐	☐	☐	☐	☐	☐	☐		☐
108	198/349; 235/376		Burney, Roger D.	☐	☐	☐	☐	☐	☐	☐		☐

	U	1	Document ID	Issue Date	Pages	Title	Current OR
109	☒	☐	US 4823124 A	19890418		Lan controller proprietary bus	340/825.52
110	☒	☐	US 4814979 A	19890321		Network to transmit prioritized subtask pockets to dedicated processors	709/106
111	☒	☐	US 4771286 A	19880913		Lan controller having split bus design	340/825.52
112	☒	☐	US 4750114 A	19880607		Local area network control block	709/238
113	☒	☐	US 4730187 A	19880308		Interface method and apparatus for a cellular system site controller	340/825.5
114	☒	☐	US 4686630 A	19870811		Load management control system and method	700/296
115	☒	☐	US 4649385 A	19870310		Electronic locating system for persons receiving telephone calls	379/56.3
116	☒	☐	US 4625081 A	19861125		Automated telephone voice service system	379/88.26
117	☒	☐	US 4543630 A	19850924		Data processing systems and methods	709/252
118	☒	☐	US 4513378 A	19850423		High-accuracy navigating apparatus with step-driven projected chart	701/217
119	☒	☐	US 4453156 A	19840605		Load control receiver and method of operation	340/310.02
120	☒	☐	US 4445171 A	19840424		Data processing systems and methods	710/104
121	☒	☐	US 4437156 A	19840313		Programmable calculator	708/139

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
109	340/825.5; 370/463; 370/465; 714/749		Beauchemin, Edward	☐	☐	☐	☐	☐	☐	☐		☐
110	340/825.02; 370/408; 370/411; 370/462; 709/201; 709/252; 709/313		Neches, Philip M.	☐	☐	☐	☐	☐	☐	☐		☐
111	370/402; 370/438		Niessen, Leonard E. et al.	☐	☐	☐	☐	☐	☐	☐		☐
112			Hirtle, Allen C.	☐	☐	☐	☐	☐	☐	☐		☐
113	455/560; 455/701		Menich, Barry J. et al.	☐	☐	☐	☐	☐	☐	☐		☐
114	307/39		Marsland, Charles N. et al.	☐	☐	☐	☐	☐	☐	☐		☐
115	340/825.49; 367/199; 379/201.06; 379/913		Aires, Ramon H. et al.	☐	☐	☐	☐	☐	☐	☐		☐
116	379/196; 379/207.13; 379/211.02; 379/88.08; 379/88.19; 379/88.24; 902/2; 902/39		Lotito, Lawrence A. et al.	☐	☐	☐	☐	☐	☐	☐		☐
117	709/207; 709/240		Neches, Philip M.	☐	☐	☐	☐	☐	☐	☐		☐
118	342/389; 353/13; 701/219; 701/300		Antkowiak, Edward T.	☐	☐	☐	☐	☐	☐	☐		☐
119	340/310.04; 340/825.64; 340/825.7; 375/342		Brown, Richard W. et al.	☐	☐	☐	☐	☐	☐	☐		☐
120	370/394; 370/447		Neches, Philip M.	☐	☐	☐	☐	☐	☐	☐		☐
121			Christopher, Chris J. et al.	☐	☐	☐	☐	☐	☐	☐		☐

	U	1	Document ID	Issue Date	Pages	Title	Current OR
122	☒	☐	US 4412285 A	19831025		Multiprocessor intercommunication system and method	709/252
123	☒	☐	US 4389706 A	19830621		Digital computer monitored and/or operated system or process which is structured for operation with an improved automatic programming process and system	700/1
124	☒	☐	US 4376298 A	19830308		Combine data center	701/34
125	☒	☐	US 4348725 A	19820907		Communication line service interrupt technique for a communications processing system	700/5
126	☒	☐	US 4336588 A	19820622		Communication line status scan technique for a communications processing system	710/260
127	☒	☐	US 4325119 A	19820413		Process and apparatus employing microprogrammed control commands for transferring information between a control processor and communications channels	710/5
128	☒	☐	US 4322842 A	19820330		Broadcast system for distribution automation and remote metering	370/204
129	☒	☐	US 4261033 A	19810407		Communications processor employing line-dedicated memory tables for supervising data transfers	710/5
130	☒	☐	US 4227245 A	19801007		Digital computer monitored system or process which is configured with the aid of an improved automatic programming system	700/95
131	☒	☐	US 4216528 A	19800805		Digital computer implementation of a logic director or sequencer	700/95
132	☒	☐	US 4215407 A	19800729		Combined file and directory system for a process control digital computer system	700/95

#	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
122	709/207; 709/243; 709/310; 713/503; 714/4		Neches, Philip M. et al.	☐	☐	☐	☐	☐	☐	☐		☐
123	700/108; 702/182		Gomola, John W. et al.	☐	☐	☐	☐	☐	☐	☐		☐
124	340/462; 340/684; 460/1; 56/10.2R; 701/50; 702/119; 702/184; 702/185		Sokol, David G. et al.	☐	☐	☐	☐	☐	☐	☐		☐
125			Farrell, Robert J. et al.	☐	☐	☐	☐	☐	☐	☐		☐
126			Vernon, John H. et al.	☐	☐	☐	☐	☐	☐	☐		☐
127			Grandmaison, John P. et al.	☐	☐	☐	☐	☐	☐	☐		☐
128	340/825.72; 370/206; 370/210; 370/312; 455/353		Martinez, Louis	☐	☐	☐	☐	☐	☐	☐		☐
129			Lemay, Richard A. et al.	☐	☐	☐	☐	☐	☐	☐		☐
130			Edblad, Warren A. et al.	☐	☐	☐	☐	☐	☐	☐		☐
131	709/101		Robertson, James D.	☐	☐	☐	☐	☐	☐	☐		☐
132			Gomola, John W. et al.	☐	☐	☐	☐	☐	☐	☐		☐

	U	1	Document ID	Issue Date	Pages	Title	Current OR
133	☒	☐	US 4215406 A	19800729		Digital computer monitored and/or operated system or process which is structured for operation with an improved automatic programming process and system	700/95
134	☒	☐	US 4213174 A	19800715		Programmable sequence controller with drum emulation and improved power-down power-up circuitry	700/16
135	☒	☐	US 4180854 A	19791225		Programmable calculator having string variable editing capability	708/130
136	☒	☐	US 4133030 A	19790102		Control system providing for the transfer of data in a communications processing system employing channel dedicated control blocks	710/1
137	☒	☐	US 4089059 A	19780509		Programmable calculator employing a read-write memory having a movable boundary between program and data storage sections thereof	708/130
138	☒	☐	US 4057715 A	19771108		Wide range system for transferring steam generator and turbine operation between computers in a multiple turbine computer control system	700/290
139	☒	☐	US 4053946 A	19771011		Modular programmable digital scan converter	345/501
140	☒	☐	US 4053747 A	19771011		System for initializing a backup computer in a multiple computer electric power plant and turbine control system to provide turbine and plant operation with reduced time for backup computer availability	700/287
141	☒	☐	US 4037088 A	19770719		Wide load range system for transferring turbine or plant operation between computers in a multiple computer turbine and power plant control system	700/289
142	☒	☐	US 4031372 A	19770621		System for manually or automatically transferring control between computers without power generation disturbance in an electric power plant or steam turbine operated by a multiple computer control system	700/287

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
133			Gomola, John W. et al.	☐	☐	☐	☐	☐	☐	☐		☐
134	713/330		Morley, Richard E. et al.	☐	☐	☐	☐	☐	☐	☐		☐
135			Walden, Jack M. et al.	☐	☐	☐	☐	☐	☐	☐		☐
136	711/170		Huettner, Robert E. et al.	☐	☐	☐	☐	☐	☐	☐		☐
137			Miller, Bradley W. et al.	☐	☐	☐	☐	☐	☐	☐		☐
138	290/40R; 415/15; 415/17; 60/645; 700/291; 700/76; 700/82		Jones, Donald J. et al.	☐	☐	☐	☐	☐	☐	☐		☐
139	703/24; 703/25; 703/27		Opittek, Eugene W. et al.	☐	☐	☐	☐	☐	☐	☐		☐
140	290/40R; 415/15; 60/645; 700/70; 700/82		Davis, Guy E.	☐	☐	☐	☐	☐	☐	☐		☐
141	290/40R; 415/15; 60/645; 700/76; 700/82		Davis, Guy E. et al.	☐	☐	☐	☐	☐	☐	☐		☐
142	290/40R; 415/15; 60/645; 700/82; 714/2		Davis, Guy E.	☐	☐	☐	☐	☐	☐	☐		☐

	U	1	Document ID	Issue Date	Pages	Title	Current OR
143	☒	☐	US 4029952 A	19770614		Electric power plant having a multiple computer system for redundant control of turbine and steam generator operation	700/287
144	☒	☐	US 3898441 A	19750805		Multiple computer system for operating a power plant turbine with manual backup capability	700/287
145	☒	☐	US 3875384 A	19750401		Protection system for transferring turbine and steam generator operation to a backup mode especially adapted for multiple computer electric power plant control systems	700/82
146	☒	☐	US 3845467 A	19741029		ANALOG SIGNAL TRANSMISSION SYSTEM FOR DIGITAL DATA COMMUNICATION SYSTEM	340/3.53
147	☒	☐	US 3835260 A	19740910		COMMUNICATION SWITCHING SYSTEM, WITH MARKER, REGISTER, AND OTHER SUBSYSTEMS COORDINATED BY A STORED PROGRAM CENTRAL PROCESSOR	379/237
148	☒	☐	US 3808540 A	19740430		LOUDNESS CONTROL	455/116

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
143	290/40R; 415/15; 60/645; 700/82		Giras, Theodore C. et al.	☐	☐	☐	☐	☐	☐	☐		☐
144	290/40R; 415/1; 60/646; 700/82		Davis, Guy E. et al.	☐	☐	☐	☐	☐	☐	☐		☐
145	290/40R; 60/646; 700/287		Davis, Guy E.	☐	☐	☐	☐	☐	☐	☐		☐
146			Oman, Gary F. et al.	☐	☐	☐	☐	☐	☐	☐		☐
147	379/269; 379/273; 379/279; 379/290; 379/302		Prescher, Kenneth E. et al.	☐	☐	☐	☐	☐	☐	☐		☐
148	333/18; 381/107		Kabrick, Wallace J.	☐	☐	☐	☐	☐	☐	☐		☐

	Search Terms
1	BARATY-MOHAMMAD.IN.

Total	USPAT	US-PGPUB	EPO	JPO	Derwent	IBM TDB	USOCR
1	0	0	0	0	0	0	0